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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO		
10/695,150	10/27/2003	Yasuo Shimizu	13425.16USD1	6475	
23552 75	90 06/02/2004		EXAMINER		
MERCHANT & GOULD PC P.O. BOX 2903			DEPUMPO, DANIEL G		
	S, MN 55402-0903		ART UNIT	PAPER NUMBER	
			3611	· ·	
			DATE MAILED: 06/02/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application N	lo. A	pplicant(s)	9			
Office Action Summary		10/695,150	s	HIMIZU ET AL.				
		Examiner	A	rt Unit				
		Daniel G. DeF		611				
Period fo	The MAILING DATE of this communication Reply	on appears on the co	ver sheet with the corr	espondence address	-			
THE - External after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR I MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) day to period for reply is specified above, the maximum statutory tree to reply within the set or extended period for reply will, by reply received by the Office later than three months after the departent term adjustment. See 37 CFR 1.704(b).	FION. CFR 1.136(a). In no event, hation. s, a reply within the statutory of period will apply and will exply statute. cause the application.	nowever, may a reply be timely minimum of thirty (30) days will bire SIX (6) MONTHS from the control to become ARANDONED.	filed II be considered timely, mailing date of this communica	ation.			
Status								
1)⊠	Responsive to communication(s) filed on	n 14 May 2004.						
2a) <u></u> ☐		This action is non-	final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5) □ 6) ☑ 7) ☑ 8) □ Applicat i	Claim(s) <u>4-11</u> is/are pending in the applic 4a) Of the above claim(s) <u>10</u> is/are withdre Claim(s) <u>is/are</u> is/are allowed. Claim(s) <u>4,5,7-9 and 11</u> is/are rejected. Claim(s) <u>6</u> is/are objected to. Claim(s) <u>are subject to restriction</u> on Papers The specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to by the Example of the specification is objected to be specification in the specification is objected to be specification.	rawn from considera	rement.					
10)	The drawing(s) filed on is/are: a)							
	Applicant may not request that any objection Replacement drawing sheet(s) including the o			, ,	47.0			
11)[The oath or declaration is objected to by t							
	ınder 35 U.S.C. § 119							
12)⊠ a)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International Elee the attached detailed Office action for	uments have been re uments have been re e priority documents Bureau (PCT Rule 17	ceived. ceived in Application I have been received in .2(a)).	No. <u>10/079,610</u> .				
2) ☐ Notic 3) ⊠ Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449 or PTO/5 r No(s)/Mail Date <u>10/27/03</u> .		Interview Summary (PTo Paper No(s)/Mail Date. Notice of Informal Paten Other:	·				
	1.00							

Application/Control Number: 10/695,150

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1. Applicant's election without traverse of Species III (fig. 6, claims 4-9 and 11 readable thereon) in the paper filed 5/14/04 is acknowledged.

Claim 10 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim.

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 4, 5, 7, 8, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (APA) in view of Mochizuki (JP403249451).

As disclosed at pages 1-3 of the instant specification, APA teaches all that is claimed, except for the distortion prevention unit. Mochizuki, however, teaches a worm shaft having a distortion prevention unit 6 (fig. 1). It would have been obvious to modify APA, by including a distortion prevention unit, as taught by Mochizuki, to prevent backlash and deflection of the worm (Mochizuki, Abstract).

- 4. Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Arai, Toyomasa and Fowlkes disclose various devices having features in common with the instant invention.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel G. DePumpo whose telephone number is 703 308-1113. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 703 308 1113. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel G. DePumpo Primary Examiner Art Unit 3611

dgd 5/25/04